





CorePro LED PLC 6.5W 840 2P G24d-2

CorePro LED PLC 2P integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplamping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

Product data

General Information			
Cap-Base	G24D-2 [G24d-2]		
Nominal lifetime	30,000 hour(s)		
Switching Cycle	50,000		
Lighting Technology	LED		
Flux measurement reference	Sphere		
CE mark	Yes		
EU RoHS compliant	Yes		
Light Technical			
Color Code	840 [CCT of 4000K]		
Beam Angle (Nom)	120 degree(s)		
Luminous Flux	700 lumen		
Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	92.31 lm/W		
Color Consistency	<6		
Color rendering index (CRI)	83		
LLMF At End Of Nominal Lifetime (Nom)	70 %		
Photobiological safety according to EN 62471 RG0			
Operating and Electrical			
Line Frequency	50 to 60 Hz		

Input Frequency	50 to 60 Hz			
Power Consumption	6.5 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	220-240 V			
LED alternative to fluorescent lamp power	18 W			
Temperature				
Ambient temperature range	-20 °C to 35 °C			
T-Case Maximum (Nom)	65 °C			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Bulb Material	Plastic			
Product Length	100 mm			
Bulb Shape	Tube, single-ended			
Approval and Application				
Energy Efficiency Class	F			
Energy Saving Product	Yes			

Datasheet, 2023, October 17 data subject to change

Approval Marks	TUV CE marking RoHS compliance KEMA
	Keur certificate
Energy Consumption kWh/1000 h	7 kWh
EPREL Registration Number	403557
Product Data	
Full product code	871869654129600
Order product name	CorePro LED PLC 6.5W 840 2P G24d-2
Order code	929001201502

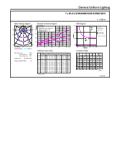
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	10			
Material Nr. (12NC)	929001201502			
Full product name	CorePro LED PLC 6.5W 840 2P G24d-2			
EAN/UPC - Case	8718696541302			
EAN/UPC - Product/Case	8718696541296			

Dimensional drawing

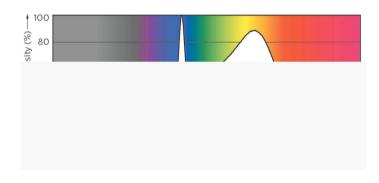


Product	D1	D2	A1	A2	А3
CorePro LED PLC 6.5W 840 2P	24.3 mm	28.4 mm	105.8 mm	125 mm	147.6 mm
G24d-2					

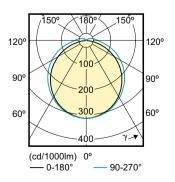
Photometric data



General uniform lighting - CorePro LED PLC 6.5W 840 2P G24d-2

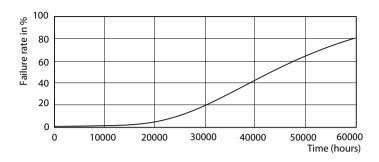


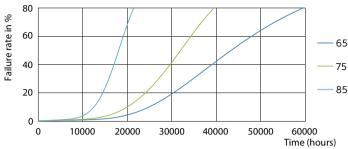
Spectral Power Distribution Colour - CorePro LED PLC 6.5W 840 2P G24d-2



Light Distribution Diagram - CorePro LED PLC 6.5W 840 2P G24d-2

Lifetime

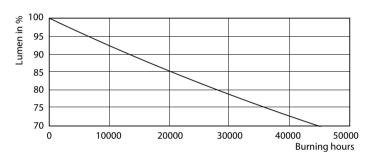




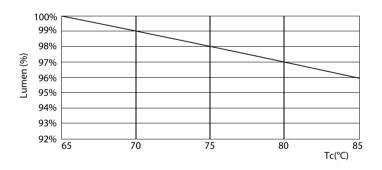
Life Expectancy Diagram - CorePro LED PLC 6.5W 840 2P G24d-2

60000 50000 40000 20000 10000 0 55 65 75 85 Tc(°C)

Life Expectancy Diagram - CorePro LED PLC 6.5W 840 2P G24d-2



Life Expectancy Diagram - CorePro LED PLC 6.5W 840 2P G24d-2



Lumen Maintenance Diagram - CorePro LED PLC 6.5W 840 2P G24d-2

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